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## Critical Infrastructure Protection



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## **Topics**

- **DoD CIP Program**
  - **Strategy & Current Efforts**
- **Information Sharing @ installation level**



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## **Fundamental Issues**



- **Defining what is critical**
  - **Understanding criticality depends upon a broad, DoD-wide understanding of essential sector functions & dependencies**
- **Protecting what is critical**
  - **Protection decisions are in hands of asset and installations owners**
  - **Risk acceptance decisions affect all stakeholders**



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## **Fundamental Issues**



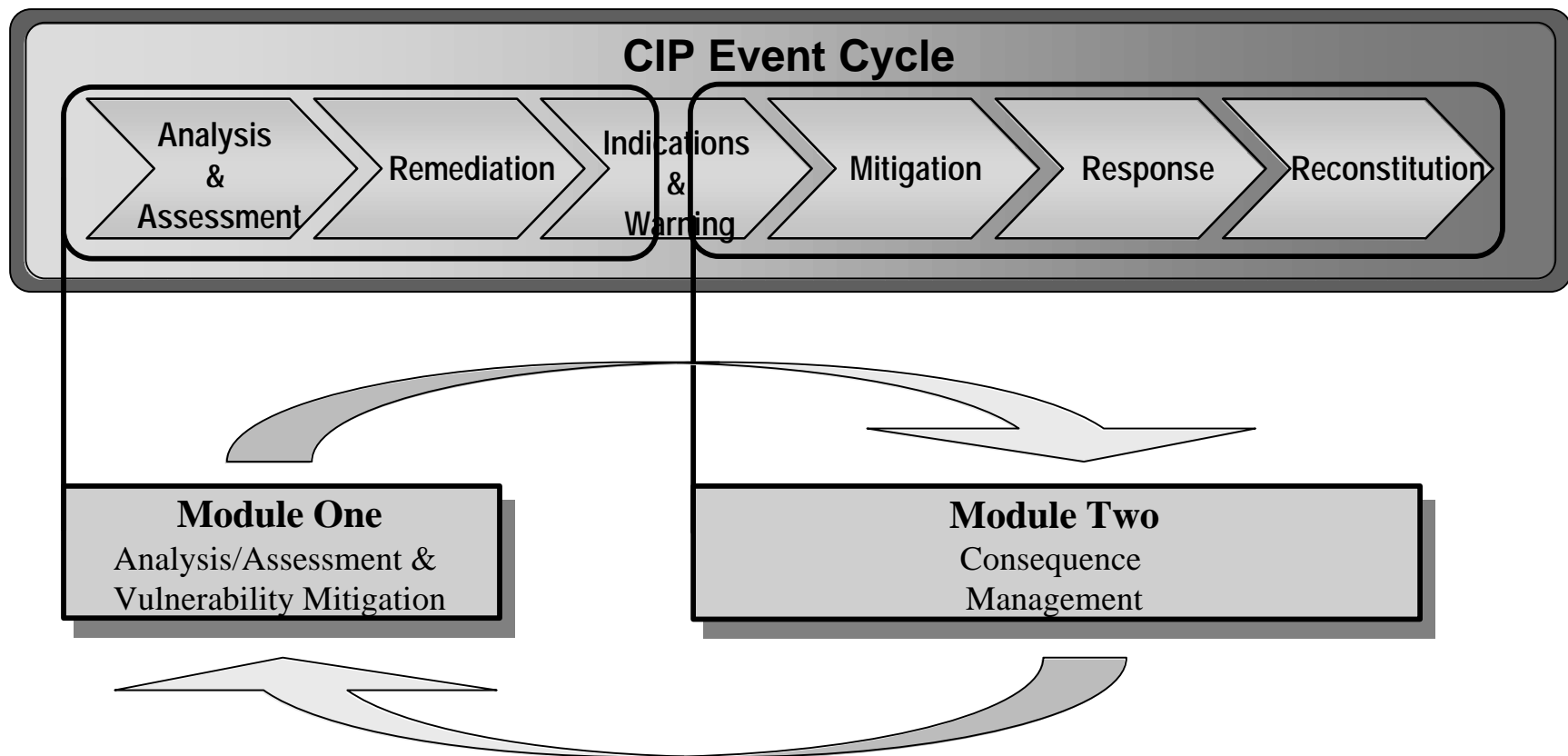
- **Risk acceptance decisions (cont)**
  - **Most asset owners don't have right information or tools to make optimum vulnerability remediation decisions**

**The “Horizontal Challenges of the 21st Century” and effective CIP requires integration of individual infrastructure protection strategies**



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# DoD CIP Program



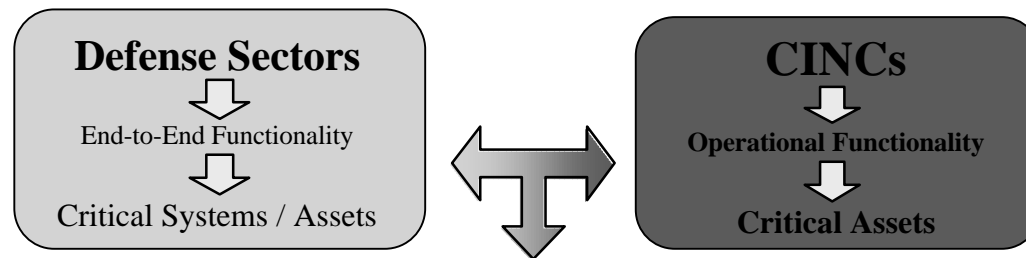


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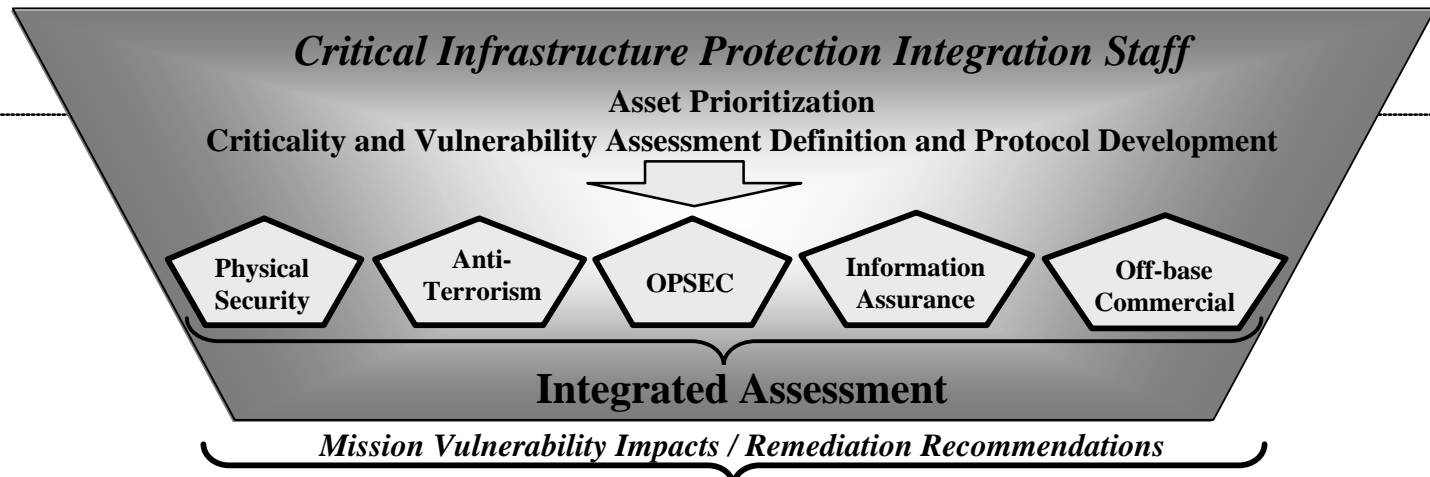
# Module One Overview



## Analysis/Assessment & Vulnerability Mitigation

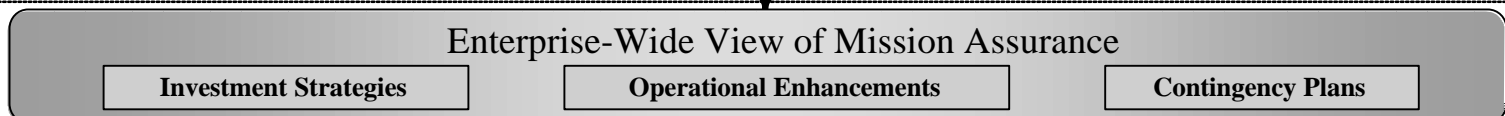


*Analysis*



*Assessment*

*Vulnerability  
Remediation*



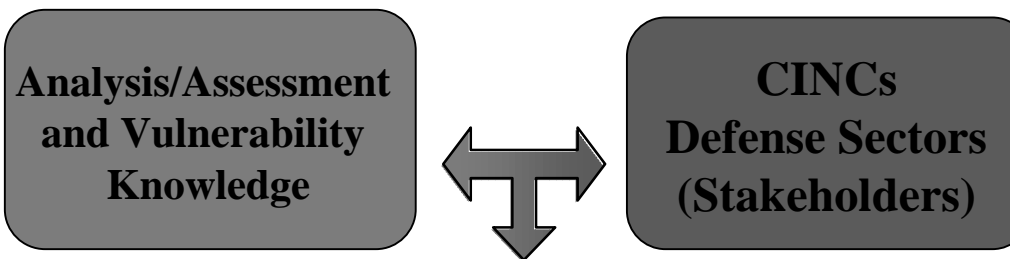


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## Module Two Overview



### Consequence Management



### *Asset Owners*

Contingency Planning



Incident Response

Impact Mitigation

Reconstitution



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## **Installations are Critical**



- **DoD installations are the:**
  - **Primary interface with host nation, federal, state, and local law enforcement, emergency services personnel, and commercial infrastructure providers**





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## **Installations are Critical**



- **DoD installations are the (cont):**
  - **First to identify and respond to infrastructure incidents**
  - **The action agents for correcting vulnerability problems**



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## **Info Sharing Task**



- **Purpose: to develop a concept of operations approach and action plan for information sharing between DOD installations, state and local authorities, and the private sector on critical infrastructure protection**
- **Requirements:**
  - **Make maximum use of existing channels for information exchange**



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## **Info Sharing Task**



- **Requirements (cont):**
  - **Recognize substantive differences between and within DOD components**
  - **Support information exchange at higher levels of the national command authority**
  - **Minimize added burden on the installation commander**



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## **Fort Monmouth Interviews**



- **Multiple overlapping assessments -**
  - **concern that the current way of doing assessments is burdensome.**
  - **The challenge is to provide a single, integrated assessment that considers physical/cyber concerns both inside the fence and in the general community.**



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## Fort Monmouth Interviews



- Installations regularly share information with their local providers.
- Installations do not share *classified* information with infrastructure providers.



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## **Fort Monmouth Interviews**



- **Installation staffs communicate with infrastructure providers on a near continuous basis. Police, fire and emergency services also have frequent interaction. The above encourages a high degree of trust among all parties.**



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## **Fort Monmouth Interviews**



- **Y2K efforts lay a substantial foundation for installation-level CIP planning that is being capitalized on.**
- **Additional education is required, especially as installations become more open and have a larger DOD civilian population. Installation commanders need CIP as part of their training.**



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## **Assessment Issues**



- **Frequently assessment information receives limited distribution**
- **Often no prioritized remediation recommendations are provided to the commander as to how to eliminate single points of failure that will adversely affect the installation's mission**





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## **Assessment Issues**



- **Installation commander does not own or control many of these critical assets**
- **Ability to use or share this information is often limited because it is frequently contained in a classified document**



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## **Assessment Issues**



- **Multiple and overlapping assessments are done**
- **May need to treat infrastructure decisions on a regional or statewide basis**